



Operating Instructions

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Constant Pressure Controller Catalog No. 224-26-CPC

The Low Flow Constant Pressure Controller (CPC) is an accessory for the SKC AirChek® 52, AirChek 2000, and AirChek XR5000 sampling pumps that allows low flow sampling for one or more sample tubes. In conjunction with an Adjustable Low Flow Holder (Cat. No. 224-26-01, 224-26-02, 224-26-03, or 224-26-04), the CPC is used as a pressure regulator to maintain a constant 20 inches water back pressure across the needle valve(s) in the Adjustable Low Flow Holder. The CPC inlet to the sample tube is marked with a label for ease of orientation.

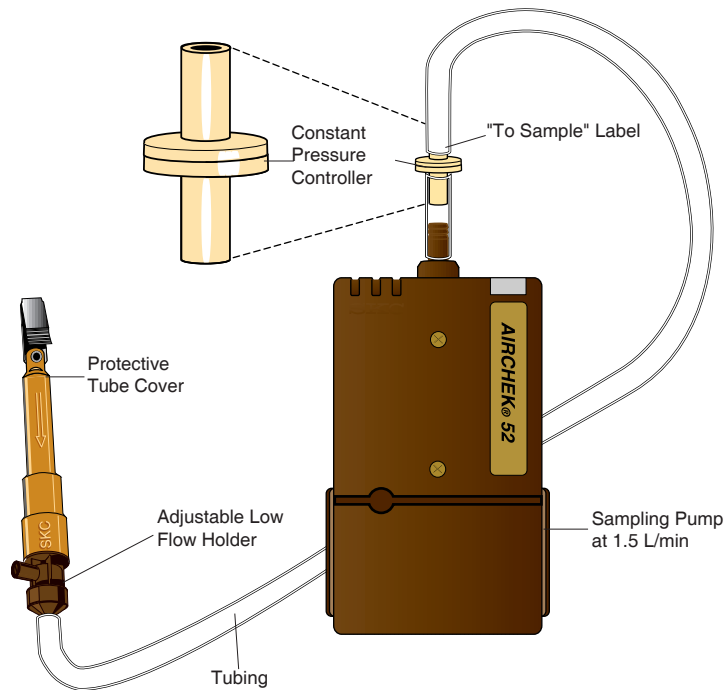
Operation

1. Set the pump flow rate at approximately 1.5 L/min, as outlined in the pump's operating instructions.
2. Using a short length (approx. 1 to 1-1/2") of Tygon® tubing, connect the pump inlet to the CPC outlet (the side of the CPC without a label).
3. Connect the inlet port of the CPC to the Adjustable Low Flow Holder. Insert selected sample tube and adjust flow (*see operating instructions for Adjustable Low Flow Holder*).

Note: The CPC has 2 small inlet ports on the bottom of the unit. These ports should be periodically inspected for blockage, which can occur when sampling in dusty environments. Blocked ports can cause back pressure to increase. If needed, clean ports with a small pick and blow particles away with a puff of air.

For additional information, contact SKC Technical Support,
Telephone 724-941-9701 or email sktech@skinc.com

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